Vijaya Vittala Institute of Technology

|  |  |  |
| --- | --- | --- |
| Q.No | Questions | Marks |
| PART A | | |
| 1 | Define virtualization and explain its role in enabling cloud computing. 5 (Marks: 5) | 5 |
| 2 | What are the key security concerns associated with cloud computing, and how can they be mitigated? 5 (Marks: 5) | 5 |
| 3 | Define cloud storage and explain the different types of cloud storage services available. 5 (Marks: 5) | 5 |
| 4 | What is a container, and how does it differ from a virtual machine in the context of cloud computing? 5 (Marks: 5) | 5 |
| 5 | Explain the concept of cloud monitoring and its importance for maintaining cloud service availability. 5 (Marks: 5) | 5 |
| PART B | | |
| 1 | Discuss the advantages and disadvantages of a multi-cloud strategy compared to a single-cloud approach. 7 (Marks: 7) | 7 |
| 2 | Compare and contrast public, private, and hybrid cloud deployment models, highlighting their key characteristics and use cases. 7 (Marks: 7) | 7 |
| 3 | Describe the concept of cloud elasticity and how it benefits businesses. 6 (Marks: 6) | 6 |
| 4 | What is cloud orchestration, and why is it essential for managing complex cloud environments? 5 (Marks: 5) | 5 |